

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A projector, comprising:  
a light source ~~to for~~ emitting light;  
a spatial light modulator ~~to for~~ modulating the light from the light source in accordance with an image signal; and  
a projector lens ~~to for~~ projecting the light modulated by the spatial light modulator,  
~~wherein the spatial light modulator being~~ is a tilt mirror device including ~~comprising~~ a plurality of movable mirror ~~elements~~ element reflecting the light from the light source in ~~at the~~ direction of the projector lens or in ~~at the~~ direction other than that of ~~at the~~ projector lens; and  
~~wherein the projector further comprises:~~  
a light-intensity measuring section provided in an imaging position of the light source or in the vicinity of the imaging position ~~to for~~ measuring the light intensity of the light reflected in the direction other than that of the projector lens; and  
a light-source controller ~~to for~~ controlling the light source in accordance with a signal from the light-intensity measuring section.
2. (Currently Amended) ~~A~~ The projector according to claim 1, ~~wherein~~  
the light source ~~includes~~ including a plurality of solid-state light-emitting elements;  
the light-intensity measuring section ~~includes~~ including a plurality of light-intensity measuring elements corresponding to the plurality of solid-state light-emitting elements; and

the light-source controller ~~controls~~ controlling each of the plurality of solid-state light-emitting elements.

3. (Currently Amended) ~~A~~ The projector according to claim 1, further comprising:

an operation unit for performing to perform a specified calculation based on the signal from the light-intensity measuring section and outputting the calculation to the light-source controller.

4. (Currently Amended) ~~A~~ The projector according to claim 3, ~~wherein~~ the operation unit ~~performs~~ performing the specified calculation using the number of the movable mirror elements reflecting the light from the light source in the direction other than that of the projector lens.

5. (Currently Amended) ~~A~~ The projector according to ~~claim 1~~ claim 2, ~~wherein~~ the light source ~~comprises~~ including a first light source ~~for emitting to emit~~ light in a first wavelength range and a second light source ~~for emitting to emit~~ light in a second wavelength range different from the first wavelength range;

the first light source and the second light source ~~are~~ being arranged in approximately symmetrical positions with respect to the projector lens; and

the light-intensity measuring section ~~comprises~~ includes a first light-intensity measuring section and a second light-intensity measuring section, ~~wherein~~

the first light-intensity measuring section ~~is~~ being arranged in the vicinity of the second light source and out of the light from the first light ~~source, measure~~ source and measuring the light intensity of the light reflected in the direction other than that of the projector lens; and

the second light-intensity measuring section ~~is~~ being arranged in the vicinity of the first light source and out of the light from the second light ~~source, measure~~ source and

measuring the light intensity of the light reflected in the direction other than that of the projector lens.

6. (Currently Amended) ~~A~~The projector according to claim 5, ~~wherein~~  
the first light-intensity measuring section and the second light source ~~are~~being  
formed on an identical substrate, the first light-intensity measuring section being arranged  
among the plurality of solid-state light-emitting elements of the second light source; and  
the second light-intensity measuring section and the first light source ~~are~~being  
formed on an identical substrate, the second light-intensity measuring section being arranged  
among the plurality of solid-state light-emitting elements of the first light source.

7. (Currently Amended) ~~A~~The projector according to claim 5, ~~wherein~~  
the first light-intensity measuring section and the second light source ~~are~~being  
formed on an identical substrate, the first light-intensity measuring section being arranged in a  
region different from the second light source; and  
the second light-intensity measuring section and the first light source ~~are~~being  
formed on an identical substrate, the second light-intensity measuring section being arranged  
in a region different from the first light source.

8. (Currently Amended) A projector, comprising:  
a light source ~~to~~for ~~emite~~emitting light  
a spatial light modulator ~~to~~for ~~modulate~~modulating the light from the light  
source in accordance with an image signal  
a projector lens ~~to~~for ~~project~~projecting the light modulated by the spatial light  
modulator; and  
a light-source controller,  
~~wherein~~ the spatial light modulator being is a tilt mirror device  
including~~comprising~~ a plurality of movable mirror elements~~element~~ reflecting the light from

the light source in ~~at~~ the direction of the projector lens or in ~~at~~ the direction other than that of the projector lens:

~~wherein~~ the light source ~~including~~ comprises a first light source ~~to~~for ~~emit~~emitting light in a first wavelength range and a second light source ~~to~~for ~~emit~~emitting light in a second wavelength range different from the first wavelength range, ~~wherein~~  
\_\_\_\_\_ the first light source and the second light source ~~being~~are arranged in approximately symmetrical positions with respect to ~~at~~ the projector lens;  
\_\_\_\_\_ the first light source ~~receiving~~receives the light from the second light source to measure the light intensity of the second light source, ~~and~~  
\_\_\_\_\_ the second light source ~~receiving~~receives the light from the first light source to measure the light intensity of the first light source; and

the light-source controller controls the light source on the basis of the measured light intensity.

9. (Currently Amended) An optical device, comprising:

a light source ~~to~~for ~~emit~~emitting light;

a spatial light modulator ~~to~~for ~~modulate~~modulating the light from the light source in accordance with an image signal; and

an imaging lens ~~to~~for ~~image~~imaging the light modulated by the spatial light modulator onto a specified surface,

\_\_\_\_\_ ~~wherein~~ the spatial light modulator ~~being~~is a tilt mirror device ~~including~~comprising a plurality of movable mirror ~~elements~~element reflecting the light from the light source in the direction of ~~an~~the imaging lens or in the direction other than that of the imaging lens, ~~and~~

\_\_\_\_\_ ~~wherein the optical device, further comprises:~~

\_\_\_\_\_a light-intensity measuring section provided in an imaging position of the light source or in the vicinity of the imaging position ~~to for measure~~measuring the light intensity of the light reflected in the direction other than that of the projector lens;<sup>3</sup> and

\_\_\_\_\_a light-source controller ~~to for control~~controlling the light source in accordance with a signal from the light-intensity measuring section.